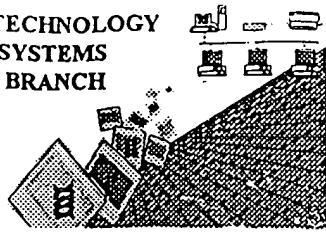# RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10774,147

Source: IPWO

Date Processed by STIC: 2/18/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

IFWO

RAW SEQUENCE LISTING   DATE: 02/18/2004
PATENT APPLICATION: US/10/774,147   TIME: 15:00:45

Input Set : A:\10050-03USA.ST25.txt
Output Set: N:\CRF4\02182004\J774147.raw

```
     3 <110> APPLICANT: POSTECH Foundation
     4        POSCO
     5        RYU, Sung-Ho
     6        BAE, Yoe-Sik
     7        PARK, Eun-Young
     8        SUH, Pann-Ghill
    10 <120> TITLE OF INVENTION: LEUKOCYTE STIMULATING PEPTIDES
    12 <130> FILE REFERENCE: 10050-03USA
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/774,147
C--> 14 <141> CURRENT FILING DATE: 2004-02-06
    14 <150> PRIOR APPLICATION NUMBER: US 60/445,621
    15 <151> PRIOR FILING DATE: 2003-02-07
    17 <160> NUMBER OF SEQ ID NOS: 36
    19 <170> SOFTWARE: PatentIn version 3.2
    21 <210> SEQ ID NO: 1
    22 <211> LENGTH: 6
    23 <212> TYPE: PRT
    24 <213> ORGANISM: Artificial sequence
    26 <220> FEATURE:
    27 <223> OTHER INFORMATION: Hexapeptide
    30 <220> FEATURE:
    31 <221> NAME/KEY: MISC_FEATURE
    32 <222> LOCATION: (1)..(1)
    33 <223> OTHER INFORMATION: Xaa can be Lys, Met, or Arg
    35 <220> FEATURE:
    36 <221> NAME/KEY: MISC_FEATURE
    37 <222> LOCATION: (3)..(3)
    38 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr
    40 <220> FEATURE:
    41 <221> NAME/KEY: MISC_FEATURE
    42 <222> LOCATION: (4)..(4)
    43 <223> OTHER INFORMATION: Xaa can be His, Lys, or Tyr
    45 <220> FEATURE:
    46 <221> NAME/KEY: MISC_FEATURE
    47 <222> LOCATION: (5)..(5)
    48 <223> OTHER INFORMATION: Xaa can be Lys, Pro, Arg, Val, or Tyr
    50 <400> SEQUENCE: 1
W--> 52 Xaa Lys Xaa Xaa Xaa Met
    53 1               5
    56 <210> SEQ ID NO: 2
    57 <211> LENGTH: 6
    58 <212> TYPE: PRT
    59 <213> ORGANISM: Artificial sequence
```

Does Not Comply
Corrected Diskette Needed
(pg. 1-5)

Invalid Response (handwritten annotation pointing to "Hexapeptide")

RAW SEQUENCE LISTING   DATE: 02/18/2004
PATENT APPLICATION: US/10/774,147   TIME: 15:00:45

Input Set : A:\10050-03USA.ST25.txt
Output Set: N:\CRF4\02182004\J774147.raw

```
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: Hexapeptide    -Invalid Response
 65 <220> FEATURE:
 66 <221> NAME/KEY: misc_feature
 67 <222> LOCATION: (4)..(6)
 68 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 70 <400> SEQUENCE: 2
W--> 72 Lys Lys His Xaa Xaa Xaa
 73 1               5
 76 <210> SEQ ID NO: 3
 77 <211> LENGTH: 6
 78 <212> TYPE: PRT
 79 <213> ORGANISM: Artificial sequence
 81 <220> FEATURE:
 82 <223> OTHER INFORMATION: Hexapeptide   -Invalid Response
 85 <220> FEATURE:
 86 <221> NAME/KEY: misc_feature
 87 <222> LOCATION: (4)..(6)
 88 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 90 <400> SEQUENCE: 3
W--> 92 Lys Lys Tyr Xaa Xaa Xaa
 93 1               5
 96 <210> SEQ ID NO: 4
 97 <211> LENGTH: 6
 98 <212> TYPE: PRT
 99 <213> ORGANISM: Artificial sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Hexapeptide   -Invalid Response
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: (4)..(6)
108 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
110 <400> SEQUENCE: 4
W--> 112 Arg Lys Tyr Xaa Xaa Xaa
113 1               5
116 <210> SEQ ID NO: 5
117 <211> LENGTH: 6
118 <212> TYPE: PRT
119 <213> ORGANISM: Artificial sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Hexapeptide   -Invalid Response
125 <220> FEATURE:
126 <221> NAME/KEY: misc_feature
127 <222> LOCATION: (4)..(6)
128 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
130 <400> SEQUENCE: 5
W--> 132 Met Lys Tyr Xaa Xaa Xaa
133 1               5
136 <210> SEQ ID NO: 6
```

RAW SEQUENCE LISTING   DATE: 02/18/2004
PATENT APPLICATION: US/10/774,147   TIME: 15:00:45

Input Set : A:\10050-03USA.ST25.txt
Output Set: N:\CRF4\02182004\J774147.raw

```
      137 <211> LENGTH: 6
      138 <212> TYPE: PRT
      139 <213> ORGANISM: Artificial sequence
      141 <220> FEATURE:
      142 <223> OTHER INFORMATION: Hexapeptide        — Invalid Response
      145 <220> FEATURE:
      146 <221> NAME/KEY: misc_feature
      147 <222> LOCATION: (1)..(3)
      148 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
      150 <400> SEQUENCE: 6
W-->  152 Xaa Xaa Xaa His Lys Met
      153 1               5
      156 <210> SEQ ID NO: 7
      157 <211> LENGTH: 6
      158 <212> TYPE: PRT
      159 <213> ORGANISM: Artificial sequence
      161 <220> FEATURE:
      162 <223> OTHER INFORMATION: Hexapeptide       — Invalid Response
      165 <220> FEATURE:
      166 <221> NAME/KEY: misc_feature
      167 <222> LOCATION: (1)..(3)
      168 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
      170 <400> SEQUENCE: 7
W-->  172 Xaa Xaa Xaa His Val Met
      173 1               5
      176 <210> SEQ ID NO: 8
      177 <211> LENGTH: 6
      178 <212> TYPE: PRT
      179 <213> ORGANISM: Artificial sequence
      181 <220> FEATURE:
      182 <223> OTHER INFORMATION: Hexapeptide      — Invalid Response
      185 <220> FEATURE:
      186 <221> NAME/KEY: misc_feature
      187 <222> LOCATION: (1)..(3)
      188 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
      190 <400> SEQUENCE: 8
W-->  192 Xaa Xaa Xaa Tyr Lys Met
      193 1               5
      196 <210> SEQ ID NO: 9
      197 <211> LENGTH: 6
      198 <212> TYPE: PRT
      199 <213> ORGANISM: Artificial sequence
      201 <220> FEATURE:
      202 <223> OTHER INFORMATION: Hexapeptide     — Invalid Response
      205 <220> FEATURE:
      206 <221> NAME/KEY: misc_feature
      207 <222> LOCATION: (1)..(3)
      208 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
      210 <400> SEQUENCE: 9
```

RAW SEQUENCE LISTING   DATE: 02/18/2004
PATENT APPLICATION: US/10/774,147   TIME: 15:00:45

Input Set : A:\10050-03USA.ST25.txt
Output Set: N:\CRF4\02182004\J774147.raw

```
W--> 212 Xaa Xaa Xaa Tyr Pro Met
     213 1             5
     216 <210> SEQ ID NO: 10
     217 <211> LENGTH: 6
     218 <212> TYPE: PRT
     219 <213> ORGANISM: Artificial sequence
     221 <220> FEATURE:
     222 <223> OTHER INFORMATION: Hexapeptide     — Invalid Response
     225 <220> FEATURE:
     226 <221> NAME/KEY: misc_feature
     227 <222> LOCATION: (1)..(3)
     228 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
     230 <400> SEQUENCE: 10
W--> 232 Xaa Xaa Xaa Tyr Val Met
     233 1             5
     236 <210> SEQ ID NO: 11
     237 <211> LENGTH: 6
     238 <212> TYPE: PRT
     239 <213> ORGANISM: Artificial sequence
     241 <220> FEATURE:
     242 <223> OTHER INFORMATION: Hexapeptide     — Invalid Response
     245 <220> FEATURE:
     246 <221> NAME/KEY: misc_feature
     247 <222> LOCATION: (1)..(3)
     248 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
     250 <400> SEQUENCE: 11
W--> 252 Xaa Xaa Xaa Tyr Tyr Met
     253 1             5
     256 <210> SEQ ID NO: 12
     257 <211> LENGTH: 6
     258 <212> TYPE: PRT
     259 <213> ORGANISM: Artificial sequence
     261 <220> FEATURE:
     262 <223> OTHER INFORMATION: Hexapeptide     — Invalid Response
     265 <220> FEATURE:
     266 <221> NAME/KEY: Peptide
     267 <222> LOCATION: (1)..(6)
     268 <223> OTHER INFORMATION: P1
     270 <400> SEQUENCE: 12
     272 Lys Lys His His Lys Met
     273 1             5
     276 <210> SEQ ID NO: 13
     277 <211> LENGTH: 6
     278 <212> TYPE: PRT
     279 <213> ORGANISM: Artificial sequence
     281 <220> FEATURE:
     282 <223> OTHER INFORMATION: Hexapeptide     — Invalid Response
     285 <220> FEATURE:
     286 <221> NAME/KEY: Peptide
```

```
287 <222> LOCATION: (1)..(6)
288 <223> OTHER INFORMATION: P2
290 <400> SEQUENCE: 13
292 Lys Lys His His Val Met
293 1               5
296 <210> SEQ ID NO: 14
297 <211> LENGTH: 6
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Hexapeptide
305 <220> FEATURE:
306 <221> NAME/KEY: Peptide
307 <222> LOCATION: (1)..(6)
308 <223> OTHER INFORMATION: Hexapeptide
310 <220> FEATURE:
311 <221> NAME/KEY: Peptide
312 <222> LOCATION: (1)..(6)
313 <223> OTHER INFORMATION: P3
315 <400> SEQUENCE: 14
317 Lys Lys His Tyr Lys Met
318 1               5
321 <210> SEQ ID NO: 15
322 <211> LENGTH: 6
323 <212> TYPE: PRT
324 <213> ORGANISM: Artificial sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Hexapeptide
330 <220> FEATURE:
331 <221> NAME/KEY: Peptide
332 <222> LOCATION: (1)..(6)
333 <223> OTHER INFORMATION: P4
335 <400> SEQUENCE: 15
337 Lys Lys His Tyr Pro Met
338 1               5
341 <210> SEQ ID NO: 16
342 <211> LENGTH: 6
343 <212> TYPE: PRT
344 <213> ORGANISM: Artificial sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Hexapeptide
350 <220> FEATURE:
351 <221> NAME/KEY: Peptide
352 <222> LOCATION: (1)..(6)
353 <223> OTHER INFORMATION: P5
355 <400> SEQUENCE: 16
357 Lys Lys His Tyr Val Met
358 1               5
361 <210> SEQ ID NO: 17
```

Invalid Response (handwritten, pointing to "Hexapeptide" at line 302)

Invalid Response (handwritten, pointing to "Hexapeptide" at line 327)

Invalid Response (handwritten, pointing to "Hexapeptide" at line 347)

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 02/18/2004
PATENT APPLICATION: **US/10/774,147**   TIME: 15:00:46

Input Set : **A:\10050-03USA.ST25.txt**
Output Set: **N:\CRF4\02182004\J774147.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,3,4,5
Seq#:2; Xaa Pos. 4,5,6
Seq#:3; Xaa Pos. 4,5,6
Seq#:4; Xaa Pos. 4,5,6
Seq#:5; Xaa Pos. 4,5,6
Seq#:6; Xaa Pos. 1,2,3
Seq#:7; Xaa Pos. 1,2,3
Seq#:8; Xaa Pos. 1,2,3
Seq#:9; Xaa Pos. 1,2,3
Seq#:10; Xaa Pos. 1,2,3
Seq#:11; Xaa Pos. 1,2,3

VERIFICATION SUMMARY   DATE: 02/18/2004
PATENT APPLICATION: **US/10/774,147**   TIME: 15:00:46

Input Set : **A:\10050-03USA.ST25.txt**
Output Set: **N:\CRF4\02182004\J774147.raw**

```
L:14  M:270 C: Current Application Number differs, Replaced Current Application No
L:14  M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:52  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:72  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:92  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
```